

## **ATTACHMENT 10. COST AND BENEFITS SUMMARY**

For the “AttachmentName” in the naming convention of BMS, use “**CBSummary**” for this attachment.

This attachment will provide an overall estimate for the benefits of the project(s). If several projects are being proposed with multiple benefits, then Exhibit F (Proposal Costs and Benefits Summary) must be completed summarizing the costs and benefits for all projects in the grant application.

### **Exhibit F**

This Exhibit provides methods and formats for estimating and presenting summary costs and benefits in Attachment 10. Exhibit C (Economic Analysis - Flood Damage Reduction), Exhibit D (Economic Analysis - Water Supply), and Exhibit E (Water Quality and Other Expected Benefits) contain tables that are to be completed for individual projects. However, proposals may contain several projects, the benefits and costs for all of these projects must be summarized in Table 20 below.

Project – list all projects in column (a)

Agency/Organization – list the project’s sponsor agency in column (b)

Costs – identify the project’s total present value of costs in column (c)

Benefits – identify the present value of all benefits for each project in columns (d) – (f)

Benefit/cost ratio – include the B/C ratio for each project in column (h)

Total – sum the total present value of costs and benefits for all projects and compute a B/C ratio for all projects in the proposal

Care must be taken in completing Table 20 to avoid double-counting of benefits and costs, especially if an individual project has multiple benefits. For example, if an individual project results in water supply and flood damage reduction benefits, then those benefit values can be transferred to Table 20 from Exhibits C (Flood Damage Reduction Costs and Benefits) and D (Water Supply Costs and Benefits) without double-counting. However, the project costs included in Exhibits C and D for each benefit may represent the total costs to provide both benefits. If that is the case, then those costs should only be transferred once from either Exhibit C or D to Table 20. This problem with potentially double-counting costs could be addressed through cost-allocation procedures; however, to simplify the analysis, this will not be required.

**Table 20 – Proposal Project Costs and Benefits Summary for Proposition 1E (Refer to Attached)**

**Table 20 - Proposal Project Costs and Benefits Summary for Proposition 1E**

Proposal: Menifee Flood Control Project

Agency: City of Menifee

Project	Agency	Total Present Value Project Costs (1)	Total Present Value Project Benefits				B/C Ratio
			Water Supply (2)	Flood Damage Reduction (3)	Other (4)	Total	
(a)	(b)	(c)	(d)	(e)	(f)	(g) (d) + (e) + (f)	(h) (g) / (c)
Menifee Flood Control Project	City of Menifee	\$12,670,368	\$5,655,087	\$92,847,195	Not Quantified	\$98,502,282	7.8
NA							
NA							
NA							
NA							
<b>TOTAL</b>		<b>\$12,670,368</b>	<b>\$5,655,087</b>	<b>\$92,847,195</b>	<b>\$0</b>	<b>\$98,502,282</b>	<b>7.8</b>

(1) From Exhibit C, Table 10, column (i). Or from Exhibit D, Table 14, column (i). If project is a multi-purpose project, avoid

(2) From Exhibit D, Table 18, column (d)

(3) From Exhibit C, Table 12, row (e)

(4) From Exhibit E, Table 19, column (j)